

# ANCHORAGE AMATEUR RADIO CLUB

PRESIDENT- LANCE DUNBAR-AL7BK-337-6297  
CLUB PHONE:345-0719

MAY 1986

WHAT'S GOING ON THESE DAYS!!!



May 2nd . . . . General Meeting 7:00 PM, Spenard Rec. Center 2020 W. 48th Ave.  
May 3rd & 4th . "MESSAGE TO MOMS" for Mother's Day - Sears Mall.  
May 3rd . . . . Walk for Hope.  
May 7th . . . . Board Meeting - 7:00 PM Hope Cottage Meeting Room Bering  
Street between Northern Lights and Benson  
May 31st. . . . P.A.R.K.A. Meeting. Time and Place to be announced.  
June 6th . . . . General Meeting 7:00 PM, Spenard Rec. Center 2020 W. 48th Ave.  
June 11th . . . . Board Meeting - 7:00 PM Hope Cottage Meeting Room Bering  
Street between Northern Lights and Benson  
June 28th . . . . P.A.R.K.A. Meeting. Time and Place to be announced.  
June 28th/29th FIELD DAY

VEC TESTING . . CALL ROGER HANSEN KL7HFQ - 243-2221 FOR DETAILS

## CLUB JACKET UPDATE

The order was dispatched to Fairbanks with a minimum of fanfare on April 10.  
I expect delivery in late May.

Feel free to call me and harrass me on the subject of, "Where's my jacket?" I  
love to get those phone calls because it gets me so frustrated because I don't  
make the jackets, I only take your money and place the order. I mean, I  
thought I got enough frustration at work, but to get it at home, well, that  
makes life worth living!

Home phone 243-2376, work phone 271-5324. Call me anytime.

*David*  
KL7LO

EDITOR: HARVEY E. ROOKUS - NL7DK 333-4693  
3310 CHECKMATE DRIVE  
ANCHORAGE, ALASKA 99508

## THE PREZ . . . . .

After a little break from past activities (Fur Rondy and Iditarod, not to mention the Winter Raffle), it is time once again to go public with our hobby and provide communications for the Walk for Hope and the Sears Mall Mothers' Day event. These are great opportunities for learning and practicing good communications skills. And, they are fun. If you want to help out, contact Bill Reiter, KL7IT1, for the Walk for Hope or Lance Dunbar, AL7BK, for Mothers' Day. I still have lots of room for volunteers.

The Club received its 1986 gaming license from the state, and promptly placed it with Jackpot Bingo. If revenue expectations hold up, we won't have to rely on raffles to provide us with income. We do need to have at least one event each year, however, otherwise the state may not renew the license next year. Let your Board members know what your feelings are.

The June elections are fast approaching. I have appointed a nominating committee which will be out canvassing the membership for candidates for the officer positions as well as one three year and six one year Board positions. If you are interested in running for office, contact Fred Tolliver, KL7HM, Bill Capers, AL7BB, or Harley Steward, KL7IZZ.


The Board, for the past two months, has cussed and discussed closing the autopatch function of the 146.34/94 repeater to all but AARC members. It is the consensus of the Board that, since repeaters cost money, both in equipment and maintenance, paid-up Club members should have some privileges not extended to others, since it is the money and time spent by the members that make it possible to have the machine in the first place. The Board voted unanimously to ask the general membership to vote on this issue at the May General meeting. The repeater would remain open for all to use, as well as the emergency autodial functions (911, 912, etc). Individual phone patch access codes would be issued to all Club members. When used, the machine will reply using the callsign of the person assigned to a particular access code. The Board is asking that, if approved, this function would go into operation by June 1.



Also on the agenda for the May meeting will be a presentation by our Section Manager, Jim Moody, NL7C, regarding ARRL Special Service Clubs. I feel that the AARC is well qualified to become a Special Service Club, and urge the membership to attend the May meeting to provide input.

Before I get off my soapbox, I think that the AARC needs to diversify a bit, and demonstrate to other hams in the area that we are more than just a "VHF Repeater" club, as one former member labeled us. I am looking for someone to write a monthly HF article, including DX happenings, propagation reports, equipment, antennas or whatever might be of interest. Special articles on different modes of communications, such as CW, RTTY, Slow Scan, ASCII, AMTOR or Packet, could also be included. Here's a chance for someone to become a world famous reporter!!

That's it!! I QUIT, for now. See you at the May meeting.

73  
  
Lance, AL7BK  
President, AARC

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FOR SALE FOR SALE FOR SALE

Apple IIc, Amber Monitor,  
Serial to Parallel Converter,  
Olivetti PR 2300 Ink Jet  
Printer. \$995 Jim Larsen AL7FS  
345-3190 or 345-3202 Message  
\*\*\*\*\*

FOR SALE FOR SALE FOR SALE

YASEU FT 901 DM  
\$500 KL7JAI  
243-2576  
\*\*\*\*\*

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ICOM IC-730 - - - \$500.00  
Recently Factory retuned and Serviced  
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WANTED WANTED WANTED WANTED

1.5 KW antenna Tuner  
Contact: Larry Walter KL7IWC 345-0198  
\*\*\*\*\*

NEEDS NEEDS NEEDS NEEDS

Larry Dunlap needs to copy Manual for  
Hickok KS-15560-LL Tube Tester 274-0107  
\*\*\*\*\*

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Hustler Model 4BTV 5 Band  
Vertical \$75.00

Tet Co. Model SQ 22 2 Meter Beam  
New in Box Never Assembled \$100

Collins 51-J4 Receiver \$225

Jim Minton - KL7JIIJ 248-1965  
\*\*\*\*\*

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Ten-Tec Century 22, Automatic keyer  
built-in.(Circuit breaker not fused.)  
90' Coax, Connectors, Traps, Kenwood  
HS-6 Power Supply \$500.00

ICOM M-2 Marine VHF Hand held \$400.00  
Pat Stranad WL7BHU 258-1356 after 5 PM  
\*\*\*\*\*

The Secretary was commanded to write a letter to the Hanraths advising them of their honorary Life Membership status and asking them to come to a future club meeting to accept their certificate. (Secretary's note -- the letter was written and mailed to Del and Rosemary on April 10, 1986.)

Lance was still searching in earnest for a Mother's Day chairperson. He reported that he had done most of the organizing himself, anyway!

Treasurer Beth Head NL7FZ has a computer she will let the club use. It's a Commodore 64 with a 1541 disk drive.

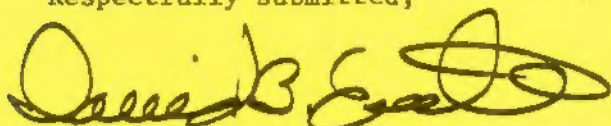
Lance reported that ARRL Section Manager James Moody NL7C had been talking with him on the subject of **Special Service Club status for the AARC**. Lance had a notebook at the meeting that Jim had given him on the subject, and read to us from it. There are benefits to be had, and there also responsibilities to be shouldered. Lance will bring up the subject at the May meeting and see if we can get some members interested enough in the subject to justify our firing off an application for conferral of status.

We will send off a \$250 check to the Nunaka Valley Little League to sponsor a team for 1986. It was in the budget.

In light of the absence (vacation) of Newsletter Editor Harvey Rookus NL7DK, the May newsletter will be done by Bonnie Jennings NL7DF.

There being no further business, the meeting was adjourned at 0608 UCT by our beloved President. We all know his name.

Respectfully submitted,



David B. Epstein KL7LO  
Secretary

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"KL7-LAND"

A BULLETIN BOARD SYSTEM DEVOTED ENTIRELY TO THE AMATEUR RADIO HOBBY.

JUST DIAL 563-8116 WITH A COMPUTER RUNNING AN ASCII TERMINAL EMULATOR PROGRAM OR ANY TERMINAL RUNNING ASCII AT 300 BAUD, 8 BITS, NO PARITY AND 1 STOP BIT. THE COMPUTER WILL GIVE YOU A PASSWORD AND I WILL VALIDATE THE PASSWORD AS SOON AS POSSIBLE. THE BOARD HAS 8 SECTIONS IN IT. ALSO, A VOTING BOOTH AND OTHER NEAT AREAS: AND UPLOAD/DOWNLOAD OF PROGRAMS AS WELL.

ANY QUESTIONS, PLEASE CALL FRANK NL7HP AT 561-8902.

73's, FRANK



ANCHORAGE AMATEUR RADIO CLUB, INC.  
Minutes of Board of Directors Meeting, April 9, 1986  
Hope Cottage Offices, 2805 Bering Street

**Present:** President Lance Dunbar AL7BK; Vice-President Bud Laws KL7IBZ; Secretary David Epstein KL7LO; Treasurer Beth Head NL7FZ; Activities Manager Linda Harmon NL7FY; Trustee Bill Reiter KL7ITI; 3-year Board Members Jim Larsen AL7FS and Fred Toliver KL7HM; 1-year Board Members Steve Wilcox KL7JIM, Cathi Moody KL7NR, Rick Marvin KL7YF, Bill Capers AL7BB, and Ed Tucker KL7DU. **Absent:** Past President Daniel Stevens KL7WM. **Excused:** 3-year Board Member Harvey Rookus NL7DK and 1-year Board Member Rod Maney KL7SA. Also Present: Douglas P. Dickinson KL7IKX.

The meeting was called to order at 0405 UCT by the Honorable Lance Dunbar AL7BK. The minutes of the March Board and April general meetings were read and approved.

Treasurer Beth Daniel Head NL7FZ passed out a report covering the first quarter of Calendar Year 1986. During this timeframe, the club's income exceeded its expenses by \$2,159.56.

Doug Dickinson KL7IKX presented a **VHF Committee report**. The 146.19/79 AL7EB/R is on the air. It is physically located at the QTH of Pauline KL7UP in Hope, and, at the present time, is accessible with high power (10-15 watts). More work will be done on the machine to improve its accessibility. Also, until the CW ID is installed, people need to voice-ID the repeater. 90/30 is still QRP but the PA is on hand. We are waiting for warmer weather and a clear road before we fix that machine. Alascom is donating four 100-watt base stations for use in the Iditarod. They will be installed at the remote locations and left there. The club has been asked to purchase the 146.52 crystals for the base stations, and Doug was asking for the \$261.20 to finance the purchase. KL7LO moved, and KL7YF seconded, that the sum of \$261.20 be allocated to buy the crystals. The motion passed unanimously.

The subject of **individual access codes** for club members to use the autopatch will be discussed at the May meeting. We mean it this time!

Linda Harmon NL7FY gave the **activities report**. Thanks to the high rollers at the April meeting, the activities balance has grown to \$247.33. May's program will be KL7IKR and KL7DS and their "Tales of the 1986 Iditarod." Linda is going to order some AMSAT tapes for use at future meetings.

The **Nominating Committee** for the 1986-87 club year officer corps will consist of KL7HM, AL7BB, and KL7IBZ.

Rick Marvin KL7YF told us that the net from the raffle is up slightly from the \$2,485 reported at the April meeting. "It's a solid \$2,500." The Raffle Committee was apportioned \$100 for expenses and will look at using some of it to show appreciation for those club members who worked so hard to pull this gaming extravaganza off.



ANCHORAGE AMATEUR RADIO CLUB, INC.  
Minutes of general club meeting, April 4, 1986  
Spenard Recreation Center, 2020 West 48th Avenue

The meeting was called to order at 1925L by President Lance Dunbar AL7BK. Introductions were held; there were 78 people present.

Lance announced that the club's gaming license had arrived and, even as we spoke, was making money for us at Jackpot Bingo on Old Seward Highway. The raffle-weary fans went wild! When the dust settled, Lance: (1) told us that Mel Warner WL7J was the new member on the VEC Board of Directors (vice April AL7CV); (2) presented Douglas Dickinson KL7IKX with his Ham of the Year plaque and a gag gift from KL7BB; (3) presented Daniel Stevens KL7WM with his Past President's plaque, which he will take home, hang on the wall, and wear with pride; (4) presented NL7BE and NL7FZ with Certificates of Appreciation for their assistance in KL7DU's Fur Rondy Grand Prix Belle-of-the-Ball Road Race; and (5) presented Life Membership certificates to NL7DK (#145), NL7FY (#146), and AL7EB (#133).

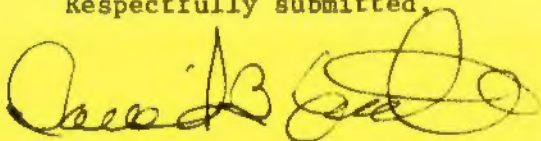
Lance surfaced the subject of honorary Life Membership status being conferred upon Del and Rosemary Hanrath, KL7JKW and KL7LA, respectively, in recognition of their significant, ongoing contribution to the betterment of Amateur Radio. KL7GNP moved, and NL7C seconded, that honorary Life Membership status be bestowed upon the Hanraths. The motion passed unanimously.

Lil Marvin NL7DL gave an Iditarod wrap-up. She mentioned that KL7IKR and KL7DS came in 50th and 51st respectively, and that they would be at next month's club meeting to tell us all about it. Bill Reiter KL7ITI gave us the Walk for Hope preparatory run-down. This year's Schlep for Pep will be on May 3. Lance followed on with a discourse on Mother's Day at Sear's Mall, which will take place this year on Mother's Day weekend (May 10 and 11). All help will be appreciated.

Following a break and distribution of door prizes, the Raffle was brought to a climax with the drawing of the winners. And the winners were: Moni Naumann, 5th prize of \$250, ticket sold by KL7DZE; John Harrington, 4th prize of \$500, ticket sold by AL7BK; John Schmidt, 3rd prize of \$750, ticket sold by AL7BT; Jim Steigerwald, 2nd prize of \$1,000, ticket sold by Jim Steigerwald; and Tim Gould, 1st prize of \$1,500, ticket sold by Roy Gould. The club's net on this raffle amounted to \$2,485.

Following an excellent program consisting of personal 1964 earthquake slides by KL7GNP, Lance adjourned the meeting at 2126L.

Respectfully submitted,



David B. Epstein KL7LO  
Secretary



## April VHF Report

I'm going to use this report for a review of different modes of operation on 2 meters.

There are basically 2 modes of operation in the VHF FM portion of the 2 meter band. (and true of 220 and 70 also)

The first mode is simplex, this means you transmit & receive on the same freq. 146.520 is the national simplex calling frequency. Range is somewhat limited, at least for low power handheld operation. Your range is dependant on many variables. The transmitter power of your handheld, the receive sensitivity of your handheld, or the person you are talking with, the type of antenna, and "rubber ducks" are NOT efficient. That is, they severely restrict your range. For 2 handhelds assuming normal receiver sensitivity, & say 100 mw of transmitter power, you probably can reliably communicate for several miles, under normal conditions. This does not mean from downtown Anchorage, at street level, between all the tall bldgs. This assumes that you'll be on more or less level terrain, & not hiding in a metal encased bldg. (like a mobile home). Simplex between "base" stations running 10 w. or more, and a good antenna, can go hundreds of miles...If the conditions are right, and you have a good radio path between each other. The 2nd mode of communications in the FM part of 2 mtr. band deals w/repeater operation. The ARRL devised a band plan many yrs ago, setting certain freq. pairs aside for rptr. communications. part of the band plan is that any rptr. pair ABOVE 147.000 will have a plus 600 Khz offset on mobile/portable stat., and any rptr. pair BELOW 147.000 will have a minus 600 Khz offset. For most part, this is followed throughout the US. There are some exceptions. In the 220 band, the offset is either plus or normally minus 1.6 Mhz, and in the 70 cm part of the band the offset is usually plus, but sometimes minus 5.0 Mhz.

For this discussion, we'll deal primarily w/2 meter band. If you want to work the KL7ION ptr on the repeater pair of 147.90/.30, you will set your radio to RECEIVE 147.30 & set your offset switch to the plus position. This means when you key your PTT your radio will automatically shift transmit freq. UP (plus) 600 Khz, & you'll be transmitting on 147.90, which happens to be freq. that the reptr. listens on. If you wish to work the 146.34/.94 rptr. you would set your receiver to RECEIVE 146.94, & offset would now be set to MINUS 600 Khz, when you key you will automatically transmit on 146.34, & when you release your PTT you will LISTEN on 146.94.

Now, on to the REPEATER. This is device sometimes called an Automatic Relay Station, that listens for example on 147.90 Mhz, & instantly retransmits out on 147.30 Mhz. The idea is that a reptr. will be located on a high mountain, or bldg, thereby extending range of portable & mobile stations using it. Where a "base" station usually uses a directional ant., (beam) to aim all the power in the direction of the distant station, the rptr. most usually uses a NON-DIRECTIONAL antenna, since users may be located in almost any direction from repeater location. Many also have a telephone interconnect device on them, or "AUTOPATCH". It is an AUTOMATIC phone patch. In Alaska we're fortunate to have several "tall hills" for our repeaters to be located on. Example: Mt. Susitna where 145.27 KL7EM located. At 4000 ft you can talk a long ways. VHF communications usually referred to as "line of site", unlike HF which can skip thousands of miles. Higher the site, the farther the "line of site" continues. While on subject of freq. within the 2 meter band, please become familiar with sub-bands set aside for other users of 2 meter spectrum. Freq. between 145.5 and 146.0 you want to avoid for FM simplex operations, as you'll interfere w/Satellite Users. There is also sub-band set aside in 144-145 region for Earth Moon Earth. There are many unused freq. for FM simplex between 146.00 & 147.99, without using either a repeater input or output freq. Be SURE you are not on a repeater input freq. when running simplex w/a friend. Users of that repeater won't be happy to have you keying up repeater while enjoying your QSO.

Final note - remember 2 meter band extends from 144.00 thru 147.99. There are military users on either edge.. You may occasionally hear things there & think that because you don't hear a call sign, you can also use those freq. DON'T DO IT!! Military communications do NOT require same I.D. FCC can take away your operating authority for out of band operations. Check offset when within plus or minus 600 Khz of band edge. Programmable offsets..be extra careful!

73's....Doug KL7IKX AARC VHF Chairman



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